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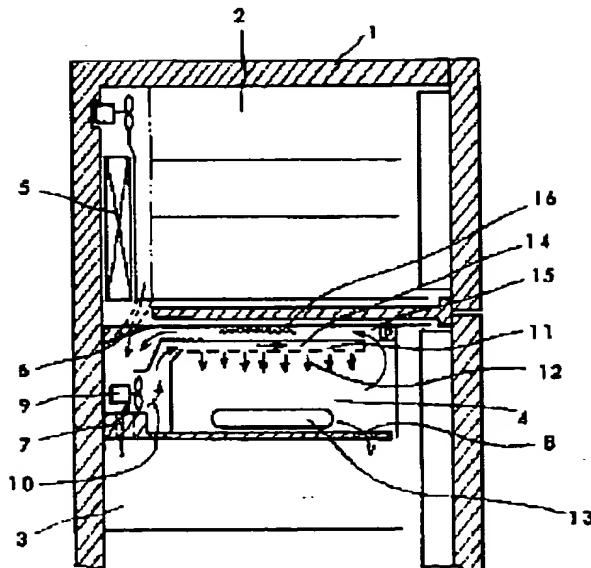
APPLICATION DATE : 29-06-92
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APPLICANT : HITACHI LTD;

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TITLE : FREEZER-REFRIGERATOR AND
 METHOD OF
 THAWING-QUICK-FREEZING



ABSTRACT : PURPOSE: To provide a freezer-refrigerator capable of making compatible improvement in thawing speed and cooling speed with suppression of uneven thawing and cooling without substantial reconstruction, and a method of thawing and quick-freezing by means of the freezer-refrigerator.

CONSTITUTION: A thawing room 4 or a quick freezing room is partitioned in the interior of a chill room 3. In the thawing or quick freezing room are provided an inlet 6, through which low temperature air is introduced from an evaporator, an inlet 7, through which intermediate temperature air is introduced from the chill room 3, a circulating air outlet 8, a circulating fan 9, an introduced wind passage 14 having a group of jetting ports 11 for permitting circulating air to impinge against an object as a group of jetting flows, a circulating wind passage 15 for returning a part of the circulating air to the circulating fan after the same impinges against the object, and a heating means 16. When operating in thawing or quick freezing mode, the circulating air blown into the introduced wind passage 14 from the circulating fan 9 passes through the group of jetting ports 11 to impinge against a wide area of a surface of the object as a group of high speed jetting flows, thus surely performing temperature control of the circulating air by means of the air inlet and outlet and control of quantity of heat produced by the heating means.

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